

Title (en)

Process for the preparation of shaped articles based on acrylic polymers coated with an antiscratch and antiabrasion film

Title (de)

Verfahren zur Herstellung von geformten Gegenständen auf Basis von Acrylpolymeren, beschichtet mit einem kratz- und abriebfesten Überzug

Title (fr)

Procédé pour fabriquer des objets moulés à base de polymères acryliques recouverts d'une couche ne pouvant être ni raclée ni abrasée

Publication

EP 0699704 B1 19990113 (EN)

Application

EP 95113566 A 19950829

Priority

IT MI941811 A 19940902

Abstract (en)

[origin: EP0699704A1] The invention refers to a process to render antiscratch and antiabrasion shaped articles based on thermoplastic acrylic polymers consisting in coating the article by a composition comprising (A) 55-95% by weight of at least a (meth)acrylic monomer and/or oligomer having at least two double bonds; (B) 5-25% by weight of monomers and/or oligomers of divinylethers and/or epoxides (C) 0-20% by weight of monomers and/or oligomers containing polar groups of monofunctional (meth)acrylates and/or monovinylethers, when (A) or (B) do not contain polar groups, and comprising a mixed system of photoinitiators of radical and cationic type, then in submitting the coated article to U.V. irradiation, at temperatures of 30-70 DEG C to polymerize and crosslink the coating in situ.

IPC 1-7

C08J 7/06; **C09D 4/02**

IPC 8 full level

C08J 7/043 (2020.01); **C08J 7/046** (2020.01); **C08J 7/056** (2020.01); **C09D 4/00** (2006.01); **C09D 4/02** (2006.01); **C09D 4/06** (2006.01)

CPC (source: EP KR US)

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C-Set (source: EP KR US)

EP US

1. **C09D 4/00 + C08F 216/00**
2. **C09D 4/06 + C08F 290/06**
3. **C09D 4/00 + C08F 222/1065**

KR

C09D 4/00 + C08F 222/1065

Cited by

EP1004637A1; CN1102949C; EP0875546A3; EP2840109A4; EP2840110A4; US8337992B2; US10000655B2; US9778398B2; US9926461B2; WO2005042248A1; WO03060029A3; US9403991B2; US9701862B2; US9884977B2; US9896597B2; US10294387B2

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